



49	0.75		L	=====
50	1.32		Y	=====
51	1.32		R	=====
52	1.55		R	=====
53	1.63		D	=====
54	1.17		E	=====
55	0.42		T	=====
56	0.42		I	=====
57	-0.08		= Q	
58	0.02		V	
59	0.32		K	=====
60	-0.10		= G	
61	-0.10		= N	
62	-0.57		===== G	
63	-0.52		===== Y	
64	-0.55		===== V	
65	-0.05		Q	
66	-0.08		= S	
67	0.17		P	=====
68	0.17		R	=====
69	0.17		F	=====
70	0.18		P	=====
71	-0.32		===== N	
72	0.60		S	=====
73	0.63		Y	=====
74	0.30		P	=====
75	-0.05		R	
76	-0.37		===== N	
77	-0.43		===== L	
78	-1.50		===== L	
79	-1.03		===== L	
80	-1.03		===== T	
81	-0.82		===== W	
82	-0.47		===== R	
83	-0.37		===== L	
84	0.70		H	=====
85	0.23		S	=====
86	0.47		Q	=====
87	1.05		E	=====
88	0.70		N	=====
89	0.70		T	=====
90	-0.10		= R	
91	-0.38		===== I	
92	-0.73		===== Q	
93	-0.73		===== L	
94	-0.40		===== V	
95	-0.40		===== F	
96	-0.52		===== D	
97	-0.27		===== N	
98	-0.15		= Q	
99	-0.15		= F	
100	0.32		G	=====
101	0.20		L	=====
102	1.12		E	=====
103	1.15		E	=====

104	1.95	A	=====
105	1.15	E	=====
106	0.48	N	=====
107	1.07	D	=====
108	0.18	I	==
109	0.65	C	=====
110	-0.27	=== R	
111	-0.22	== Y	
112	0.45	D	=====
113	-0.30	=== F	
114	0.58	V	=====
115	0.58	E	=====
116	0.70	V	=====
117	1.00	E	=====
118	1.00	D	=====
119	1.18	I	=====
120	0.73	S	=====
121	0.17	E	==
122	0.17	T	==
123	-0.18	== S	
124	-0.18	== T	
125	-0.12	= I	
126	0.33	I	===
127	-0.17	== R	
128	-0.03	G	
129	0.27	R	===
130	-0.32	=== W	
131	0.18	C	==
132	0.18	G	==
133	0.50	H	=====
134	0.67	K	=====
135	0.67	E	=====
136	1.25	V	=====
137	0.45	P	=====
138	0.45	P	=====
139	0.75	R	=====
140	1.25	I	=====
141	1.18	K	=====
142	0.72	S	=====
143	1.05	R	=====
144	0.25	T	===
145	0.70	N	=====
146	-0.10	= Q	
147	-0.10	= I	
148	-0.55	===== K	
149	-0.08	= I	
150	0.27	T	===
151	0.27	F	===
152	1.07	K	=====
153	0.75	S	=====
154	0.75	D	=====
155	0.00	D	
156	-0.13	= Y	
157	-0.13	= F	
158	-0.63	===== V	

159	-0.25	====	A	
160	-0.25	====	K	
161	0.50		P	=====
162	0.28		G	===
163	-0.60	=====	F	
164	-0.98	=====	K	
165	-0.93	=====	I	
166	-0.82	=====	Y	
167	-1.62	=====	Y	
168	-0.82	=====	S	
169	0.07		L	=
170	0.03		L	
171	0.02		E	
172	0.32		D	===
173	0.53		F	=====
174	-0.05	=	Q	
175	-0.63	=====	P	
176	-0.17	==	A	
177	0.30		A	===
178	0.23		A	==
179	0.35		S	=====
180	0.27		E	===
181	0.85		T	=====
182	0.85		N	=====
183	0.10		W	=
184	0.10		E	=
185	0.12		S	=
186	0.33		V	===
187	-0.47	=====	T	
188	-1.08	=====	S	
189	-0.83	=====	S	
190	-1.02	=====	I	
191	-1.02	=====	S	
192	-1.45	=====	G	
193	-1.12	=====	V	
194	-0.50	=====	S	
195	-0.50	=====	Y	
196	-0.20	==	N	
197	-0.50	=====	S	
198	-0.18	==	P	
199	0.28		S	===
200	0.23		V	==
201	0.17		T	==
202	-0.18	==	D	
203	-0.23	==	P	
204	-0.25	=====	T	
205	-0.25	=====	L	
206	-0.33	=====	I	
207	-0.57	=====	A	
208	0.23		D	==
209	1.03		A	=====
210	1.62		L	=====
211	0.82		D	=====
212	0.82		K	=====
213	1.62		K	=====

214 0.70
 215 0.70
 216 0.13
 217 0.18
 218 0.77
 219 0.77
 220 0.88
 221 0.08
 222 0.65
 223 0.52
 224 -0.40
 225 -0.87
 226 -0.57
 227 0.23
 228 -0.22
 229 0.00
 230 0.45
 231 0.92
 232 1.42
 233 0.62
 234 1.07
 235 1.27
 236 1.02
 237 0.13
 238 -0.67
 239 0.13
 240 -0.43
 241 -0.47
 242 0.25
 243 0.65
 244 1.45
 245 0.95
 246 1.52
 247 1.57
 248 1.08
 249 0.98
 250 0.98
 251 1.48
 252 1.48
 253 1.48
 254 1.97
 255 1.80
 256 1.80
 257 1.00
 258 1.00
 259 1.45
 260 0.65
 261 0.93
 262 0.93
 263 1.73
 264 1.15
 265 1.15
 266 1.95
 267 1.93
 268 1.48

I =====
 A =====
 E =
 F ==
 D =====
 T =====
 V =====
 E =
 D =====
 L =====
 ===== L
 ===== K
 ===== Y
 F ==
 == N
 P
 E =====
 S =====
 W =====
 Q =====
 E =====
 D =====
 L =====
 E =
 ===== N
 M =
 ===== Y
 ===== L
 D ===
 T =====
 P =====
 R =====
 Y =====
 R =====
 G =====
 R =====
 S =====
 Y =====
 H =====
 D =====
 R =====
 K =====
 S =====
 K =====
 V =====
 D =====
 L =====
 D =====
 R =====
 L =====
 N =====
 D =====
 D =====
 A =====
 K =====

269	0.82				R	=====
270	0.83				Y	=====
271	0.33				S	===
272	0.33				C	===
273	0.35				T	=====
274	0.32				P	===
275	0.53				R	=====
276	0.35				N	=====
277	0.38				Y	=====
278	-0.42			=====	S	
279	0.05				V	=
280	0.53				N	=====
281	0.98				I	=====
282	0.93				R	=====
283	1.40				E	=====
284	1.40				E	=====
285	0.82				L	=====
286	0.35				K	=====
287	-0.40			=====	L	
288	-0.35			=====	A	
289	-1.27			=====	N	
290	-1.38			=====	V	
291	-1.30			=====	V	
292	-0.83			=====	F	
293	-0.75			=====	F	
294	-0.80			=====	P	
295	-0.68			=====	R	
296	-0.52			=====	C	
297	-0.48			=====	L	
298	-0.48			=====	L	
299	-0.48			=====	V	
300	-0.18			==	Q	
301	0.12				R	=
302	0.40				C	=====
303	0.20				G	==
304	-0.30			===	G	
305	-0.30			===	N	
306	-0.87			=====	C	
307	-0.93			=====	G	
308	-1.22			=====	C	
309	-1.02			=====	g	
310	-1.58			=====	T	
311	-0.92			=====	V	
312	-0.30			===	N	
313	-0.40			=====	W	
314	-0.22			==	R	
315	-0.42			=====	S	
316	0.18				C	==
317	-0.27			=====	T	
318	-0.32			=====	C	
319	0.35				N	=====
320	0.35				S	=====
321	0.27				G	=====
322	0.73				K	=====
323	1.18				T	=====

324	1.20	V	=====
325	0.62	K	=====
326	1.18	K	=====
327	1.18	Y	=====
328	0.38	H	=====
329	-0.08	= E	
330	-0.52	===== V	
331	0.07	L =	
332	-0.43	===== Q	
333	-0.18	== F	
334	0.03	E	
335	-0.30	=== P	
336	0.62	G	=====
337	0.62	H	=====
338	1.12	I	=====
339	1.12	K	=====
340	1.70	R	=====
341	1.92	R	=====
342	1.92	G	=====
343	1.35	R	=====
344	0.63	A	=====
345	0.55	K	=====
346	-0.25	=== T	
347	-0.42	===== M	
348	-0.42	===== A	
349	-0.65	===== L	
350	-0.40	===== V	
351	-0.62	===== D	
352	0.18	I ==	
353	0.35	Q =====	
354	0.17	L ==	
355	0.97	D =====	
356	1.43	H =====	
357	1.57	h =====	
358	1.57	E =====	
359	1.48	R =====	
360	0.87	C =====	
361	0.20	D ==	
362	-0.14	= C	
363	0.19	I ==	
364	0.30	C ===	
365	0.58	S =====	
366	0.99	S =====	
367	1.77	R =====	
368	0.00	P	
369	0.00	P	
370	0.00	R	

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-2-1012

HydrophobicHydrophilic

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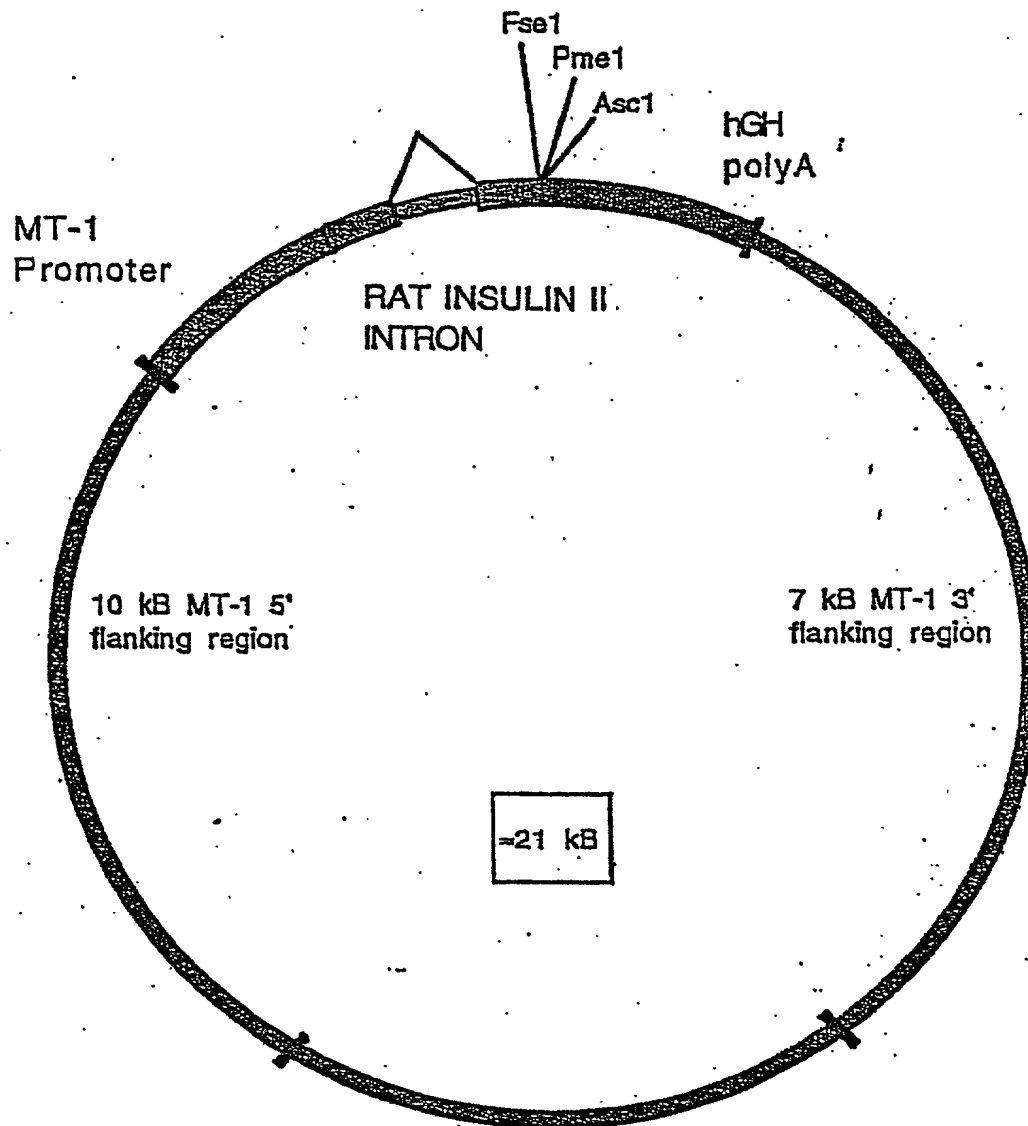


Fig. 2